ASSESSMENT TOOL 1:

Assessing Your Level of Interoperability

The purpose of this tool is to help you develop a basic snapshot of interoperability, to begin identifying necessary partners, and to facilitate working with those partners. This tool can best be used by a team that includes appointed and elected officials and public safety leaders from several jurisdictions, regions, or States.

Begin by asking the following questions: What types of emergencies typically occur in your jurisdiction, region, or State and which public safety agencies would respond in each of them? Some incidents like traffic accidents occur daily. How about major crimes like bank robberies or large-scale fires or disasters like hurricanes? Which agencies or personnel need to talk to one another every day? What personnel should be in communication in the first 8 hours of an emergency? What personnel will need to be added to that initial group if the emergency continues for longer than 8 hours?

To assess the level of communications interoperability within your community, region, or State, emergencies have been grouped into three categories—frequently occurring emergencies, major crimes or emergencies, or large-scale disasters or incidents

Frequently Occurring Emergencies

Some types of emergencies occur on a frequent basis. These include major traffic accidents, violent crimes, hostage situations, drownings, industrial accidents, and similar incidents. Think about what types of incidents occur frequently in your jurisdiction, region, or State.

Incidents that frequently occur:

1	
2.	
3.	
4.	
5.	

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Agencies that typically respond to the	
Law Enforcement Agencies (Police, Sh	neriff, FBI, State Patrol, Agencies
from other jurisdictions, etc.)	
1	
2	
3	
4	
5	
Emergency Service Agencies (Fire, Em	ergency Medical Services,
Hazmat, etc.)	
1	
2	
3	
4	
5	
Public Infrastructure Agencies (Trans	portation, Public Works, Utility,
etc.)	
1	
2	
3	
4	
5	
Put a checkmark next to each of the a seamlessly communicate via radio on other agencies identified.	
Major Crimes or Incio	
kidnappings, large-scale fires, chemica	
dents, train derailments, and similar in	
of major crimes or incidents have occu	· ·
•	
Major crimes or incidents that have o	
1	
2	
2	

5. _____

Agencies that have or would likely respond	to these incidents:
Law Enforcement Agencies (Police, Sheriff,	FBI, State Patrol or Police,
Agencies from other jurisdictions, etc.)	
1	
2	
3	
4	
5	
Emergency Service Agencies (Fire, Emerger	ncv Medical Services
Hazmat, etc.)	icy ivicultur services,
1	П
2	
3	
4	
5	. 🗀
Public Infrastructure Agencies (Transporta	tion. Public Works. Utility.
etc.)	,
1	
2	
3	
4	
5	
J	
Put a check mark next to each of the agenc	ios that can directly and
seamlessly communicate via radio on a real	•
•	-time basis with each of the
other agencies identified.	
Large-Scale Disasters o	
Large-scale disasters and incidents include	events like hurricanes, torna-
does, earthquakes, airplane crashes, school	I shootings, terrorist attacks,
and similar incidents. Think about what ty	pes of incidents have or
could occur.	
Large-scale disasters or incidents that have	e or could occur:
1	
2	
3	
4	

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Agencies that would likely re	spond to these incidents: Police, Sheriff, FBI, State Patrol or Police,
Agencies from other jurisdicti	
1	
2	
3	
4	
5	
Emergency Service Agencies	(Fire, Emergency Medical Services,
Emergency Management Age	ncies, Hazmat, etc.)
1	
2	
3	
4	
5	
Public Infrastructure Agencies	(Transportation, Public Works, Utility, etc.)
1	
2	
3	
4	

Put a check mark next to each of the agencies that can directly and seamlessly communicate via radio on a real-time basis with each of the other agencies identified.

		Your Answer	<u>Example</u>
1.	Total number of agencies listed		
	for all three types of incidents.		50
2.	Total number of boxes next to		
	agencies checked		. 10
3.	Divide Line 2 by Line 1 for		
	percentage agencies interoperable		20%

While it would be ideal to attain 100 percent interoperability, each agency must make an independent assessment of how the percentage of agencies with which it achieves interoperability affects that agency's ability to perform its duties.

ASSESSMENT TOOL 2:

Assessing Radio Communications Capability

Radio communication systems are expensive and before a decision is made to either update or purchase a system, there must be an assessment of the current communication system and future needs. The following is a guide that builds on Assessment Tool 1 and is designed primarily for use by public safety officials who need to assess the status of the agency's or jurisdiction's system. Public officials, at all levels, can benefit from the information that this tool elicits and are encouraged to work with their public safety officials completing this assessment. This tool is not intended to answer all questions or concerns, but rather, it provides a baseline upon which planning discussions can begin. Officials using this assessment are encouraged to modify it, based on their agency's or jurisdiction's needs.

Please note that where the term "agency" appears, it is also intended to mean jurisdiction, region, or State, depending upon the user.

Section 1. Descriptive Information

1. Which of the following best describes the typography/terrain in which your agency operates? (check all that apply)				
	Coastal or intracoastal waterway			
	Relatively flat			
	Rolling hills			
	Mountainous			
	Heavily forested			
2. Does your jurisdiction or a portion of your jurisdiction include				
many high-rise buildings?				
	Yes			

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Section 2. Operations Information

1. [Does your	agency	have at	least o	ne rac	lio channel solely designated
for	communi	cating v	vith oth	er agend	cies?	
	Yes		No (if, "r	no," why	not?))
If, '	"yes," hov	v many	channel	s does y	our a	gency have?
2. \	Which of t	he follo	owing be	est desci	ribes y	our agency's arrangement
for	dispatchii	ng calls	?			
	Agency/d	lepartm	ent doe	s not ow	n its o	own dispatch operations
	Dispatch Enforcem	•			dispate	ch center (e.g., Law
	Dispatch		•			
	•				mercia	l operator
	•					·
con	nmunication "Plain" E Code Other (sp To what exective com	ng with nglish pecify)_ xtent de munica	other a	gencies use of d	or org	ed by your agency when ganizations? Int radio languages hinder ency and other agencies? Problem")
1	2	3	4	5		
wit		ıblic sa	fety and	•	_	ency use to communicate vice organization?
	Does not	apply				Lowband VHF (25-50 MHz)
	Highband		150-174	MHz)		Federal band UHF (406- 420 MHz)
	Lowband	UHF (4	150-470	MHz)		Lowband UHF TV Sharing (470-512 MHz)
	800 MHz	(806-8	69 MHz	<u>z</u>)		Other

6. How often does your agency have radio communication with the following levels of public safety and/or public service agencies or organizations? (For definitions of public safety and public service, see page 12.)

PUBLIC SAFETY

	<u>Daily</u>	<u>Weekly</u>	<u>Monthly</u>	<u>Yearly</u>	<u>Never</u>
Federal level					
State level					
Local level					

PUBLIC SERVICE

	<u>Daily</u>	Weekly	<u>Monthly</u>	<u>Yearly</u>	Never
Federal level					
State level					
Local level					

7. Identify the TYPES of interoperability (essential communication links within or between public safety and public service communication systems from two or more different agencies to interact with another and to exchange information according to a prescribed method to achieve predictable results) your agency has experienced during the 12 months.

PUBLIC SAFETY

	Frequently Occurring	Major Crime	Large-Scale
	Emergencies	<u>Emergencies</u>	<u>Disasters</u>
Federal level			
State level			
Local level			

PUBLIC SERVICE

	Frequently Occurring Emergencies				1ajor Cri <u>mergenc</u>			ge-Scale <u>asters</u>
Federal level	Federal level							
State level	State level							
Local level								
boring jurisdic	8. Does your agency have intergovernmental agreements with neighboring jurisdictions for mutually defined calls for service or disasters (e.g., mutual aid agreements)?							
Calls for Service	ce		Yes		No			
Disasters			Yes		No			
9. To what extent has your agency's need for interoperability with other public safety and public safety organizations changed over the past 5 years? (where 1 = decreased, 3 = no change, and 5 = increased a great deal)								
1 2	3	4	5					
10. Rate your link with each service agencie	of th	e follow	ing levels	of p	ublic saf	ety a	nd/or	public
PUBLIC SAFE	TY	1	<u>2</u>		<u>3</u>		<u>4</u>	<u>5</u>
Federal level								
State level								
Local level								
PUBLIC SERV	ICE	1	<u>2</u>		<u>3</u>		<u>4</u>	<u>5</u>
Federal level								
State level								
Local level								

11. Estimate the total number of public safety and/or public service agencies/organizations at each level with which your agency requires radio communication.

Number of Ager Federal Level State Level Local Level		ublic Safety)			
Number of Ager	•	ublic Service)		
Federal Level State Level					
Local Level					
12. Rate the ABILITY of your agency's wireless communication system to effectively handle the following categories of incidents. (where 1 = poor to 5 = excellent) (For definition of categories, refer to Tool #1)					
	1	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Frequently occurring emergencies					
Major crimes and emergencies	5				
Large-scale disasters or incidents					

13. Rate your agency's OVERALL ABILITY to handle interoperability (where multiple agencies or jurisdictions must communicate or share information or data during a common incident) situations 5 years ago, today, and estimate its ability 5 years into the future. (where 1 = poor to 5 = excellent)

	1	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
5 years ago					
Today					
5 years from now					

14. Based on your agency's experience, indicate the severity of each of the following obstacles to interoperability. (where 1 = not a problem to 5 = major problem)

<u>Obstacle</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Different bands					
Human and institutional limitations					
Different communication modes (analog vs. digital)					
Different communication modes (conventional vs. trunked)					
Limitations of commercial services					
Limitations in funding					
Different coverage areas					
Political/ turf issues					

15. To what extent has the availability channels (821-869 MHz) alle-	
viated communications interoperability problems in your jurisdiction	
or State? (where 1 = not at all to 5 = extremely)	

2 3 4 5

1

Section III. Information and Training

1. How important is each source of information to your agency when planning for the purchase of wireless communications technologies? (where 1 = not important to 5 = extremely important)

	1	<u>2</u>	<u>3</u>	4	<u>5</u>
Equipment manufacturers					
Professional journals magazines	/				
Professional/trade conferences					
Independent consultants					
Other government agencies					
Local college or university					
Internal knowledge					
Other					

2. Does your agency participate in joint training exercises with other
agencies or organizations that involve the actual use of wireless com-
munications equipment?

Yes	No	(skip	to	question	#5)
		\ I			,

3. Regarding question #2, indicate the levels of other agencies/organizations that participate in the joint training exercises. Include both government and non-government agencies.

4. In what year did your agency most recently participate in joint training exercises that involved the actual use of wireless communication equipment?					
5. How well d personnel to h (where 1 = po	nandle coi	mmunicatio	•	•	
1 2	3	4 5			
6. How familia knowledge to	-			ng? (where	e 1= no
	<u>1</u>	2	<u>3</u>	4	<u>5</u>
Project 25 Standards					
FCC Refarming efforts					
FCC Frequency Application Proce	ess				
NPSPAC Regiona Planning Process	I				
FCC Internet Sites					
TIA/EIA- 102 Specifications					
FCC Spectrum (Allocation 846-0	16 MHz)				

Section IV. Communications Systems

1. I	1. Indicate the types of communication equipment used by your					
age	ency. (check all the	at apply)				
	Handheld land p Pager Amateur radio Telephone line (la Fax line Cellular fax Mobile laptop co Personal Digital A Fixed wing aircra Other	andline) omputer Assistants		r] (] (Vehicle-mounted mobile radio Citizens band radio Cellular phone/voice Mobile data terminal (Dumb-terminal) Helicopter radio	
rad	io base system w Yes	ith other No (go to	organization #	ons (4)		
to 1		our land	-		sionmaking process related system? (where 1 = not at	
1	2 3	4	5			
	Which of the follons arrangements?	_	t describes	yc	our agency's communica-	
	Independently ov exclusively by our		•	con	nmunications center used	
	Part of a communications center that serves several public safety and/or public service organizations in our jurisdiction					
	Part of a multi-a center	gency, mi	ultijurisdict	ion	nal shared communications	
	Other					
5. I	Does your agency	own or l	ease its PR	NIS	1ARY land mobile radio	
sys	tem?					
	Own	☐ Lea	se		□ Does not apply	

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6. How many of the following a	re in your land mobile radio system?
Base Stations	
Repeaters	
Control Stations	
7. Approximately how old is you system?	ur CURRENT land mobile radio
Year(s) Old	
8. Does your agency use BOTH	analog and digital radio systems?
8	No No
9. Which best describes your PF Conventional Trun	RIMARY land mobile radio system? ked
	es your agency CURRENTLY uses for y indicating the current NUMBER of
Currently Uses	Current # of VOICE-ONLY Channels
Lowband VHF (25-50 MHz) HighbandVHF (150-174 MHz) UHF (406-512 MHz) 800 MHz (806-869 MHz) Other	
,	es your agency CURRENTLY uses for indicating the current NUMBER of
Currently Uses	Current # of DATA-ONLY Channels
Lowband VHF (25-50 MHz) HighbandVHF (150-174 MHz) UHF (406-512 MHz) 800 MHz (806-869 MHz) Other	

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12. Identify the radio frequencies your agency CURRENTLY uses for ALTERNATE VOICE & DATA by indicating the current NUMBER of channels in each band.

Currently Us	ses			Current # of ALTERNATE				
				VOICE & DATA Channels				
Lowband VH HighbandVH UHF (406-5 800 MHz (8 Other	iF (150- 12 MHz)	174 MI)						
13. Does yo ☐ Yes	•	•	the ability to question	to patch across channels? on #18)				
14. How ma	.ny simu -	ltaneou	ıs cross pa	tches can be set up?				
				tches as a tool for achieving we to 5 = extremely effective)				
1 2	3	4	5					
16. Is a disp ☐ Yes	_	REQUIF	RED to set	up and break down the patch?				

17. How serious are the following problems regarding your land-
mobile radio system? (where 1 = not a problem to 5 = major problem)

	1	<u>2</u>	<u>3</u>	4	<u>5</u>
Not enough channels					
Not enough talk groups, if trunk	ĸed				
Dead spots					
Fading					
Frequency interference					
Static					
Battery problems					
Not enough equipment					
Outdated equipment					
Equipment size/ weight					
Different types of equipment					
Operational difficulty					

18. If you indicated "not enough channels" in question #17 as a problem, estimate the number of ADDITIONAL channels your agency needs for each of the following:

Additional VOICE-ONLY channels	
Additional DATA-ONLY channels	
Additional ALTERNATE VOICE & DATA channels	

19. To what extent does topography/terrain hinder the effectiveness of your land mobile radio base system? (where 1 = no problem to 5 = major problem)

1 2 3 4 5

	To what			-	•	•	
effectiveness of your land mobile radio base system? (where 1 = no							
problem to 5 = major problem)							
1	2	3	4	5			
21.	Who hai	ndles yo	our agenc	y's RADIO	SPECTRUM LIC	ENSING	
iss	ues?						
	My agen	су					
	A region	al group	0				
	The cour	nty					
	The Stat	e					
	Other						
	Don't kr	now					
22	Б		DAY		P.	C	
	•	_	•	utsiders for	radio spectrum	frequency	
	ordination						
Ш	Yes		No				
23. How many times does your agency interact with a radio spectrum frequency coordinator in a typical year?times a year							
			Of III a ty	picai year:	tim	es a year	
24	ا معدد		•	. ,		•	
		ALL sei	vices you	. ,	SES and PLANS	•	
	Indicate	ALL sei	vices you	. ,		•	
		ALL sei	vices you	. ,		TO USE	
wit		ALL ser	rvices you ars.	ır agency U	SES and PLANS	TO USE	
wit Cel	hin the n o	ALL serext 5 ye	rvices you ars. set Data (ır agency U	SES and PLANS Currently Use ——	TO USE	
wit Cel Per	hin the n o	ALL ser ext 5 ye tal Pack mmunic	rvices you ars. tet Data (rations Sy	ir agency U CDPD) stems (PCS	SES and PLANS Currently Use ——	TO USE	
Cel Per Spe	hin the no lular Digi	ALL serext 5 ye tal Pack mmunic Mobile F	rvices you ars. eet Data (ations Sy Radio (SM	ir agency U CDPD) stems (PCS	SES and PLANS Currently Use ——	TO USE	
Cel Per Spe Mo	hin the no lular Digi rsonal Cor ecialized N	ALL serext 5 yet tal Packet mmunice Mobile F	et Data (ations Sy	Ir agency U CDPD) stems (PCS	SES and PLANS Currently Use ——	TO USE	
Cel Per Spe Mc	hin the no lular Digi rsonal Cor ecialized N bbile Satel	ALL serext 5 yet tal Packet mmunice Mobile F	et Data (ations Sy	Ir agency U CDPD) stems (PCS	SES and PLANS Currently Use ——	TO USE	
Cel Per Spe Mc Glo	lular Digirsonal Corecialized Nobile Satel	ALL serext 5 yestal Packers mmunice Mobile Folite Systioning S	rvices you ars. set Data (ations Sy Radio (SM sem System (G	Ir agency U CDPD) stems (PCS	SES and PLANS Currently Use ——	TO USE	
Cel Per Spe Mc Glo Pag Cel	lular Digirsonal Corecialized Nobile Satel	ALL serext 5 yes tal Pack mmunic Mobile Filite Systioning Sched Da	rvices you ars. set Data (ations Sy Radio (SM sem System (G	Ir agency U CDPD) stems (PCS	SES and PLANS Currently Use ——	TO USE	
Cel Per Spo Glo Glo Cel	lular Digirsonal Corecialized Nobile Satelobal Positiging	ALL serext 5 yestal Packers mmunice Mobile Formuning States of the Control of the	rvices you ars. eet Data (eations Sy Radio (SM eem System (G	CDPD) stems (PCS	SES and PLANS Currently Use ——	TO USE	
Cel Per Spo Mc Glo Paş Cel Cel	lular Digirsonal Corecialized Nobile Satelobal Positiging	ALL serext 5 yes tal Pack mmunic Mobile Flite Systioning States the Point Director of th	rvices you ars. eet Data (ations Sy Radio (SM eem System (G	Ir agency U COPD) stems (PCS IR) IPS)	SES and PLANS Currently Use ——	TO USE	
Cel Per Spe Mc Glo Paş Cel Cel Loo	lular Digirsonal Corecialized Nobile Satelobal Positiging lular Swittlular/Voical Multi-I	ALL serext 5 yestal Packers Mobile Formunics Sched Date Point Director Dire	rvices you ars. eet Data (ations Sy Radio (SM eem system (G ata istribution	Ir agency U COPD) Stems (PCS AR) PS) Service Channel	SES and PLANS Currently Use ——	TO USE	
Cel Per Spo Mc Glo Cel Cel Loo	lular Digirsonal Corecialized Nobile Satelobal Positiging lular Swittlular/Voiceal Multi-IMDS)/MeDistributio	ALL serext 5 yestal Packers Mobile Formunic Sched Date Point Divide Point Divide Point Service Point	rvices you ars. eet Data (ations Sy Radio (SM eem system (G ata istribution at Multi-Coes (MME	CDPD) stems (PCS AR) iPS) in Service Channel DS)	SES and PLANS Currently Use — — — — — — — — — — — — —	Plan to Use —— —— —— —— —— —— —— —— ——	
Cel Per Spe Mc Gld Pa Cel Loo L C 255	lular Digirsonal Corecialized Mobile Satel Dobal Positional Multi-IMDS)/Middle Dobal Mobile MDS)/Middle Dobal Mobile Mob	ALL serext 5 yes tal Pack mmunice Mobile Folite Syste ioning Seched Date Point Direct ulti-Poir on Service ur agen	rvices you ars. eet Data (ations Sy Radio (SM eem system (G ata istribution at Multi-Coes (MME	CDPD) stems (PCS AR) iPS) in Service Channel DS)	SES and PLANS Currently Use ——	Plan to Use —— —— —— —— —— —— —— —— ——	
Cel Per Spe Mc Gld Pa Cel Loo L C 255	lular Digirsonal Corecialized Nobile Satelobal Positiging lular Swittlular/Voiceal Multi-IMDS)/MeDistributio	ALL serext 5 yes tal Pack mmunic Mobile F lite Syst ioning S ched Da ce Point Di ulti-Poir on Service ur agen ?	rvices you ars. eet Data (ations Sy Radio (SM eem System (G ata istribution at Multi-C ces (MME	CDPD) stems (PCS AR) iPS) in Service Channel DS)	SES and PLANS Currently Use — — — — — — — — — — — — —	Plan to Use —— —— —— —— —— —— —— —— ——	

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26. Which of the following best describes your agency's paging system?
☐ Tone and/or voice
☐ Alpha-numeric digital
□ Both
☐ Other
Uniter
27. Rate your agency's satisfaction with the performance of the paging system. (where 1 = not at all satisfied to 5 = extremely satisfied)
1 2 3 4 5
28. Does your agency use the Internet for official business?
☐ Yes ☐ No
29. Does your agency have essential information that needs to be
accessed in real-time by mobile users?
☐ Yes ☐ No
30. Does your agency have plans to replace or substantially upgrade its land mobile radio system within the next 10 years? Yes No If "yes," describe the purposes for which it is used.
31. What is your agency's preference for its NEXT land mobile radio system?
☐ Analog ☐ Digital ☐ Don't know
32. Does your agency plan to use BOTH analog and digital radio systems?
☐ Yes ☐ No ☐ Don't know
33. What is your agency's preference for its NEXT land mobile radio
system? Conventional (not trunked) Trunked

its				_		•	gency in up blem to 5 =	0			
1	2	3	4	5							
35.	What do	oes your	agency	use to	o fund i	ts curren	t land mobil	e radio			
sys	tem? Che	ck all th	at apply	y .							
	State fu	nding (if	local go	overnn	nent)		Percent o	of total			
	Federal	funding					Percent o	of total			
	General	fund bu	dget ap	propri	ations		Percent of total				
	Capital i	improve	ment bu	dget			Percent o	of total			
	Bond fir	nancing					Percent o	of total			
	Special f	ees or t	axes (ple	ease sp	ecify)		Percent o	of total			
	Other						Percent	of total			
	Don't kı	now									
36.	How do	es your	agency	plan t	o fund i	ts next la	nd mobile r	adio			
sys	tem?										
	State fu	nding					Percent	of total			
	Federal	funding					Percent	of total			
	General	fund bu	dget ap	propri	ations		Percent	of total			
	Capital i						Percent	of total			
	Bond fir			Ü			Percent o	of total			
	Special I	_	axes (pl	ease s	pecify)		Percent	of total			
	Other						Percent o	of total			
	Don't kı	now									
	What is	our age _ Mobil	ncy CUI	RREN Termir	TLY use nals (Du		inals and/on	· laptop			
ide	ntify the or agency	types of	WIREL	ESS D	ATA co	mmunica	aptop comp tion (not vo vithin the ne	ice)			
					Currer	ıtly Use	Plan t	o Use			
Fre	e Text				☐ Yes	□ No	☐ Yes	□ No			
Dat	abase In	formatio	on		☐ Yes	□No	☐ Yes	□No			

38. (continued) Regarding mobile data terminals and mobile laptop computers, identify the types of WIRELESS DATA communication (not voice) your agency currently USES and PLANS TO USE within the next 2 years?

Still Images (e.g.							
photos or maps)	☐ Yes	□No	☐ Yes	□No			
E-mail	☐ Yes	□No	☐ Yes	□No			
Report Writing	☐ Yes	□No	☐ Yes	□No			
39. How important will interoperability ISSUES be to your agency when it purchases its next land mobile radio system? (where 1 = not mportant to 5 = extremely important)							
1 2 3 4 5							
40. Has the lack of wireless com hampered your agency's ability t Yes No	o respone	d to a call?	·				
The following questions provide description of interoperability iss		-					
agency or jurisdiction.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,			
1.What are the wireless communiagency? How have you solved the		nteroperabil	ity issues	for you			
2. Does the lack of wireless radio		•	,	•			

Once these questions have been answered and additional information gathered, the planning process can begin on a more firm foundation. As a strategic plan for radio communications is being developed, refer back to the report section entitled "What Communications System Resources Do You Have?" and follow the steps provided.

This tool was modified from the following sources:

tions? Have adjustments been made?

[&]quot;State and Local Law Enforcement Wireless Communications and Interoperability: A Quantitative Analysis," National Institute of Justice, Taylor, Epper, & Tolman, NCJ 168961, January 1998.

[&]quot;Fire and EMS Communications Interoperability," PSWN Program Information Brief, Department of Justice and Department of the Treasury, Washington, D.C. April 1999.

ASSESSMENT TOOL 3:

Assessing Your Current Commitment of Resources

Gathering information on how much your community, region, or State is currently spending on public safety radio communications is a first step in determining how much it will cost to develop interoperability in your area. Individual costs will depend on the state of communications in your community, region, or State, and the long-term communications plan. Committed resource information is usually researched and analyzed by the public communications professionals.

Once you identify what your city, county, or State is spending, you can meet with neighboring city, county, or State public safety communication officials to discuss partnering opportunities and to share information.

- Describe the customers and users of the public safety communication process. Customers will typically include the subset of the public served by the communications program, while users will include department or division staff involved in the program and city, county, or State, or other organizations requiring information from the program.
- 2. What similar communication systems exist at this time? Describe any overlaps of functionality and capability.
- 3. List communication system alternatives (other than the proposed project) that exist to address this public safety need.
- 4. What service alternatives exist in lieu of the proposed project?
- 5. Can this project be incorporated into a multiple use system? What city, county, State, or Federal services would most benefit by being incorporated in the same application/system?
- 6. Describe any efforts undertaken to review and revise existing public safety communications processes prior to undertaking this project.